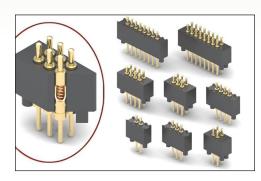
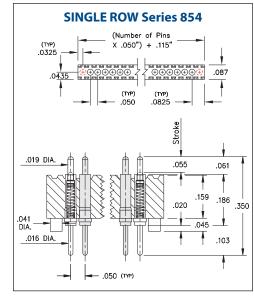
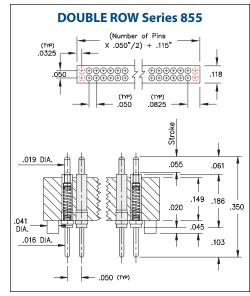
# **SPRING-LOADED CONNECTORS**

### SERIES 854 & 855 • .050" GRID THROUGH-HOLE MOUNT • SINGLE AND DOUBLE ROW STRIPS

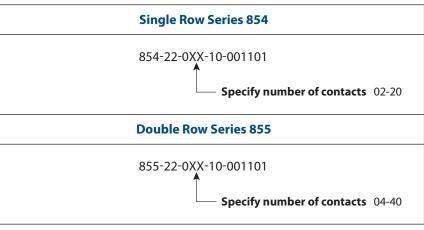






- Modular contacts for use on .050" grid, supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure up to 100,000 cycle life durability
- Pistons have a .0275" mid. stroke and a .055" max. stroke
- · Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for wave and reflow processes
- Both 854 & 855 series contact strips are designed for manual placement into Ø .023±.003" plated through-holes in the circuit board prior to hand, wave or reflow soldering

## **ORDERING INFORMATION**



#### Technical Specifications

#### Materials:

- Contact piston & base: Machined copper alloy plated  $20\mu''$  gold over  $100\mu''$  nickel
  - Spring: Beryllium copper-plated 10µ" gold
  - Insulator: High temperature thermoplastic, rated UL94 V-0

#### Mechanical:

Spring force @ initial height: 25 grams Spring force @ mid stroke (.0275"): 60 grams Durability: Up to 100,000 cycles

#### **Electrical:**

Voltage rating: 100Vrms/150Vdc Current rating: 2A (continous), 3A (peak) per contact Contact resistance:  $20m\Omega$  max. Insulation resistance:  $10,000M\Omega$  min. Dielectric strength: 700Vrms min. Capacitance: 1pF max.



